LB109 —

No. One

PILOT'S BOOK

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1. The opposite page to be used by the ground schools only.

2. This book must be brought up to date and signed by the school commander or the squadron commander at the end of each week.

3. Every time the pilot changes schools, or is transferred from one squadron to another, this book must be brought up to date, and signed by the unit commander.

4. In the schools, this book will be kept up to date by the pilot. In the field, it will be kept up to date by the pilot himself, and verified by the Squadron Commander.

5. The envelope enclosed in this book is made to hold the individual record card. This card will be put in the envelope by the last American School and sealed in. A seal should be placed at each end of each string attached to the flap. Upon arrival, the pilot will remit the book with the envelope and seals intact to his Commanding Officer, who will transmit them in the same manner to the field commander, when the pilot goes into the field. This also applies to all of the pilot's changes of squadron. The pilot will not be acquainted with the context of this card.

Name James S. Krull Surname

Rank 1st Lieut ASMA Regiment, Corps, or Dept. ASMA

Residence Palmyra, Mo.

Name and address of person to be notified in case of emergency Mrs. Mary P. Krull 1450 Front St, San Diego, Calif.

Name and degree of relation; (if none, state) wife.

Born in Palmyra (Town or City), Mo (State or Country): Age at enlistment 29

Occupation at time of enlistment Civilian Flying Instructor U.S. Civil Service; Eyes

Hair; Complexion; Height 5 ft. 7 in.

Married or single married; Indelible or permanent marks of physical defects at enlistment

Place of enlistment Mather Field, Sacramento, Calif.

Nature of enlistment Commissioned from Civilian Instructor

Previous Military Service Nine years.

General experience 4 years Flying U.S. Air Service

Pilot's Signature James S. Krull

Commanding.

Date: Sept. 30, 1918

U. S. SCHOOL OF MILITARY AERONAUTICS.

At .....

Subjects		Record by weeks									Final exam.
		1st	2d	3d	4th	5th	6th	7th	8th	9th	
1. Military Studies	Hours										
	Grade										
Signalling	Hours										
	Grade										
3. Gunnery	Hours										
	Grade										
4. Aids to Flight	Hours										
	Grade										
5. Airplanes	Hours										
	Grade										
6. Engines	Hours										
	Grade										
7. Aerial Obs.	Hours										
	Grade										

Causes of Absence	No. of Absences									Total

U. S. SCHOOL OF MILITARY AERONAUTICS.

At.....

Acted as Cadet..... from..... to..... 19....

Graduated

.....

NOTE "A":—If a student received an average of 90, or above, in his final examinations, the Commandant will write in the words "With Honor" after "Graduated."

NOTE "B":—Causes and number of days of absence will be used only for that purpose. No remarks concerning the character or conduct of the student will be entered in this book.

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
	Curtiss					
1917	JN-4	OX-5	As Instructor	Dual Control Stage		
10/22					2:15	
10/23					1.55	
10/24					3:44	
10/25					2:45	
10/26					4:41	
10/27					1:37	
10/30					3:17	
10/31					2:51	
11/1					2:18	
11/2					2:03	
11/3					2:22	
11/5					2:11	
11/6					2:41	
11/7					2:46	
11/8					2:42	
11/30			As Instructor	Cross Country Stage	3:44	
12/1					0:48	
12/28					0:20	
12/29					2:03	

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1917	Curtiss JN 4	OX-5	As Instructor	Cross Country Stage.		
12/31					1:03	
1/1/18					0:15	
1/2					2:02	
1/3					1:34	
1/4					2:15	
1/5					3:05	
1/7					0:15	
1/9					1:09	
1/10					2:31	
1/12					0:50	
1/14					1:52	
1/15					0:54	
1/16					0:26	
1/18					1:20	
1/21					0:28	
1/22					1:38	
1/23					1:06	
1/24					1:01	
1/25					1:16	

Date	Type of plane	Type of engine	Type of work done Kelly Field, So. San Antonio, Texas	Detail of work done Kelly Field, So. San Antonio, Texas	Duration.	Maximum alti.
	Curtiss					
1918	JN-4	OX-5	As Instructor	Cross Country Stage		
1/26					2:41	
1/30					1:49	
2/2					0:28	
2/4					0:55	
2/5					0:30	
2/7					0:29	
1/20					1:43	
1/26					1:53	
2/6					0:10	
				Total Kelly Field Time		82:41

Kelly Field, So. San Antonio, Texas

I hereby certify that the above time of 82 hours and 41 minutes is correct as shown by the record of this office.

Edwin Burge
1st. Lieut. A.S.A.
Act'g Adjutant To Officer in Charge of Flying.

CHE 12/29/18

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration	Maximum alti.
			Rockwell	Field, San Diego, Calif.		
April 12 - 1915. to July 19, 1917.			Total Flying time	447 hrs., 52 min.		

Mather Field, Calif.
Jan. 10, 1919.

I hereby certify that the above record is a true copy of letter received, & signed by H. B. S. Burwell.
Lt. Col. Jma. Asma
Commanding.

Edw. V. Wales
1st. Lt. Rma. Asma.
Adj. to O.C.O.

447'52
84'41
532'33

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918.			Gerstner Field,	Lake Charles, La.	Min.	
			Dual	Instructor.		
Feb. 12.			"	"	25	
12			"	"	25	
12			"	"	30	
12			"	"	25	
13			"	"	140	
14			"	"	100	
15			"	"	105	
16			"	"	10	
19			"	"	15	
20			"	"	170	
25			"	"	104	
26			"	"	145	
27			"	"	322	
28			"	"	585	
Mar. 2			Instructors	School	145	
4			"	"	135	
5			"	"	95	
6			"	"	120	

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918					Min.	
March			Gerstner Field	Lak Charles, La.		
7			Instructors	School	115	
8			"	"	60	
9			"	"	10	
11			"	"	243	
12			"	"	50	
13			"	"	57	
14			"	"	85	
15			"	"	117	
16			"	"	100	
18			"	"	34	
19			"	"	130	
20			"	"	23	
21			"	"	69	
22			"	"	557	
23			"	"	37	
25			"	"	92	
26			"	"	87	
27			"	"	32	
28			"	"	59	

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918			Gerstner Field	Lake Charles, La.		
Mar. 30			Instructors	School	120	
Apr. 1			"	"	85	
				Total Flying time		72:48

Mather Field, Calif.
Jan. 10, 1919.

I hereby certify that the above record is a true copy of letter received from Gerstner Field and signed by 1st Lt. Paul M. Neal. A.S.A.

Edw H Wales
1st Lt. R.M.A. A.S.M.A.
Adj. to O.C.O.

72'48
532'33 615'21

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918.			Brooks Field Civilian	San Antonio, Texas. Instructor		
April 13, 1918 to Aug. 31, 1918.			Total flying time	242 hrs, 57 minutes.		
				Mather Field, Calif. Jan. 10, 1919. I hereby certify that the above is a true copy of letter from Brooks Field and signed by John B. Brooks Major U.S.A. Commanding. Edw. V. Wales 1st Lt. R.M.A. A.S.M.A. Adj. to O.C.O.		
					242	57
					615	21

858'18

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Type of engine	Duration	Maximum alti.
1918	Curtiss						
Sept.	JN4D	OX5	Mather Field	Sacramento California			
6	"	"	Civilian	Instructor		2:50	
7	"	"				1:25	
8	"	"				:35	
10	"	"				4:15	
11	"	"				4:10	
17	"	"	Final Review and	R.M.A. Stage		2:49	
18	"	"				2:38	
19	"	"				2:45	
19	"	"				1:00	
21	"	"				1:35	
24	"	"				3:50	
25	"	"				2:10	
26	"	"				:40	
27	"	"				5:20	
28	"	"				1:03	
30			Commissioned	1st. Lieut. A.S.M.A.			
Oct. 1	"	"	Officer in charge	of R.M.A. tests.		2:02	
2	"	"	"	"		:30	
3	"	"	"	"		:60	40'37

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918						
October			Mather Field	Sacramento, Calif		
5	JN4D	OX5	Officer in Charge	Final Rev. & R.M.A.	:20	
7	"	"	"	"	:30	
8	"	"	"	"	:45	
9	"	"	"	"	:55	
10	"	"	"	"	3:05	
11	"	"	"	"	2:28	
14	"	"	"	"	1:30	
15	"	"	"	"	1:07	
18	"	"	"	"	3:40	
19	"	"	"	"	:50	
21	"	"	"	"	:50	
24	"	"	"	" Night Flying	1:30	
24	"	"	"	" R.M.A.	1:05	
25	"	"	"	"	1:30	
26	"	"	"	"	:45	
28	"	"	"	"	1:50	
29	"	"	"	"	1:05	
30	"	"	"	"	:35	
31	"	"	"	"	3:07	25-52 6629

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1918.						
Nov.	JN4D	OX5	Mather Field	Sacramento Calif.		
1	"	"	Officer in Charge	of R. M. A. tests	1:30	
2	"	"	"	"	:45	
25	"	"	"	"	:45	
26	"	"	"	"	:25	
27	"	"	"	" Formation	:30	
30	"	"	Cross Country to	Modesto, Merced and Return	3:44	
Dec. 2	"	"			:35	
3	"	"			1:15	
4	"	"	Cross Country	to Tracy & Return	2:25	
5	"	"	Officer in Charge	of Headquarters Flight	2:10	
6	"	"			3:20	
9	"	"			:55	
10	"	"			1:10	
11	"	"			2:10	
13	"	"			4:15	
16	"	"			2:30	
17	"	"	Cross Country to	Merced & return	4:00	
21	"	"	" " "	Los Angeles	5:05	
22	"	"	" " "	" San Diego	2:25	39'54 106'23

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.	
1918							
Dec.	MoD	OX5	Mather Field	Sacramento, Calif			
29	"	"	Cross Country	San Diego to Los Angeles	3:30		
31	"	"	" "	Los Angeles to Venice ~~" "~~	1:40		
Jan 1-1919	"	"	" "	" to Mather Field	5:10		
3	"	"	R.M.A.	Final Review	3:05		
6	"	"	"	"	:35		
7	"	"	"	"	1:00		121:28
7					1:05		
9					1:30		
10					:25		
10					1:00		
12			To Berkley and Return		2:45		
14					:40		
16					50		
18					2:45		
20					1:40		
22					1:10		
23					1:45		
24					6:20		
27			D.H.4.		:50	37:45	144:08

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.	
1919 Jan 28	Curtiss J.N.H.D.	C75	Mather Field	Sacramento Cal.	1:25		
30	"	"			:10		144:23
31	"	"	Cross Country to Merced	Bakersfield	6:50		
Feb 2	"	"	" " " Palmdale	to Sandiego	4:20		
5	"	"	" " " Sandiego	to Los Angeles	2:00		
6	"	"	" " " Los Angeles	to Bakersfield, Fresno & Merced	6:15		
7	"	"	" " " Merced	to Mather Field	1:20		
9	"	"			:35		
14	"	"			:15		
17	"	"			:10		
20	"	"			:25		
22	"	"	To Oakland & Return		4:25		
March 4	DeHaulin				1:00		
5	DeHaulin		1600 feet		1:00		
7					:35		
14	D H	4	Practice Flights		:35		
18	D. H.	4	" "		:80		
19	D. H	4	" "		:55		
20			" "		:50		
21			" "		1:55	36'30	180'38

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.	
1919	Curtiss JN4D	OX5					
3/22	D.H.4		Mather Field to Carson via	Sacramento 14,000 ft. altitude	1:45	14000	
3/23	D.H.4		Reno to Carson to	Mather Field	1:55	14000	
3/24	Curtiss JN4D	OX5			15		
26	"	"	mather Field to merced cal.	and return	185 min.		
31	"	"			25		
4/1	"	"			30		
4/2	"	"			40		
4/3	"	"			15		
4/6	"	"	mather Field to San Francisco		75		
"	"	"	Joy ride with Col. Benson, Dept	adjutant, western Department	30		
"	"	"	Flight over San Francisco for the	War Community Service	30		
"	"	"	San Francisco to mather Field		80		
4/8	"	"	Testing Ship		15		
4/9	"	"	" "		15		
4/9	"	"	cross Country, mather Field	Cal. to monterey Cal.	140		
4/10	"	"	" " monterey to	merced cal.	130		
"	"	"	" " merced to	mather Field	120		
4/18	"	"	acrobatics in formation	" "	105		
4/21	"	"	C.C. mather Field to San Jose	for victory Loan "	110	20'60	201'18

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1917	Curtiss	Curtiss OX5	Mather Field Cal.			
4/21	"		Flight over San Jose		25	
"	"	"	C.C. San Jose to Gilroy		30	
"	"	"	C.C. Gilroy to Mather	Field "	105	"
4/22	"	"	Testing Ship		20	
4/23	"	"	" "		45	
"	DH4	Liberty	" " DeHaviland		30	
4/24	Curtiss	Curtiss OX5			75	
4/25	"	"	Mather F. to Santa Cruz, Mr.	Bruce L. Sharpe, passenger at S.C.	385	
4/25			Return to Mather Field			
4/26	"	"	Mather Field to Marysville, to	on plates of 159th Reg. at Marysville		
			delivered them to Oakland	Tribune at Oakland returned		
			to Mather F. Maj. McClaskey	passenger on entire flight.	205	
4/27	DH4	Liberty	Mather Field to Merced, merc	to Lockford Cal. oil gave out forced landing	130	
4/28	"	"	Lockford to Mather Field	Lt. Bevan passenger	25	
"	Curtiss	Curtiss OX5			50	
4/29	"	"	Mather Field to Fresno Cal.		150	
4/30	"	"	Fresno to Mather Field		255	
5/2	"	"			130	
						26'50 228'08

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1919			Mather Field Cal.			
5/3	Curtiss JN4D	Curtiss OX5	Mather F. to Ione, mrs.	Montgomery passenger at Ione.		
			return to Mather F.		110	
5/4	"	"			70	
5/5	"	"	Mather Field to Oakland &	return	235	
5/6	Curtiss JN4H	Hispano	Mather F. to Placerville & return	with Mr. R. F. Hammat Forest Cal. State rangers	75	
5/8	Curtiss JN4H	Curtiss OX5	Mather F. to San Francisco		80	
"	"	"	San Francisco to Marysville	with S. F. Call News papers	115	
"	"	"			30	
"	"	"	Miss Madox of Victory Loan	Committe, passenger	25	
"	"	"	Marysville to Mather Field		45.	
5/10	DH4	Liberty	Mather Field to Del Monte		90	
"	"	"			15	
"	Curtis	H.S.	Taking pictures of Del	Monte & Monterey	60	
5/11	DH4	Liberty	Del Monte to Merced	Cal.	75	
5/15	"	"	Merced to Mather Field		60	
"	Curtis JN4D	Curtiss			60	
5/17	"	"			30	
5/19	"	"	M. F. to Sonora Cal. & return	Looking for landing field for Forestry	180.	
5/20	Curtiss JN4H	H.S.	M. F. Via. Sonora to Chinese Stac	ion, located field for Forestry Patrol	180.	22'35 25 DH3

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.	
			Mather Field,	Sacramento Cal.			
may 26/19	Curtiss JN6H	Hispano Suiza	Test Flight		60		
"	"	"	Mather Field to Merced Cal	Cpl. Lafottie passenger	75		
27/19	"	"	Plane No. 45263, Merced cal.	to Yosemite Valley Cal. First			
			Airplane to fly over or land	in Yosemite Valley	65		
28/19	"	"	Yosemite Valley Cal. to Coshay	Valley Cal.	50		
"	"	"	Cathay Valley Cal. to	Merced Cal.	25		
"	"	"	Merced to Mather Field Cal.		80		
June 5/19	DH4	Liberty	Mather Field to Merced Cal.		65		
"	"	"	Merced to Yosemite valley	and return to Merced with Photo	95		
"	"	"	Merced to Mather Field		55		
8/19	Curtiss JN6H	Hispano Suiza	Mather Field to Chico	84 miles (Sacramento to Portland flight)	85		
"	"	"	Chico to Redding		75		
"	"	"	Redding to Granada Cal.		85		
9/19	"	"	Granada Cal to Medford	Oregon	75		
"	"	"	Medford to Roseburg		90		
"	"	"	Roseburg to Eugene		60		
"	"	"	Eugene to Corvallis		30		
10/19	"	"	Stunts over Corvallis		15		
"	"	"	Corvallis to Lebanon	17 miles	20		
"	"	"	Lebanon to Portland		65	19'30	270'13

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
	Curtiss JN 6H	Hispano Suiza	Mather Field	Sacramento Cal.		
June 11/19	"	"	Passengers at Portland,	mrs Herlihy, Editor and owner of Oregon womans magazine	10	
"	"	"	Formation flight over	Portland	25	
12/19	"	"	Passengers at Portland	Col. Hensey, Mr. C.P. Keyser	20	
				Superintendent of parks Portland		
				Mr. Billy Olson, Portland Oregonian	10	
				Formation flight	20	
13/19	"	"	Passingers at Portland		60	
14/19	"	"	Portland to albany		70	
"	"	"	Stunt flight over Albany		10	
"	"	"	Albany to Springfield		40	
"	"	"	Springfield to Cottage	Grove	20	
15/19	"	"	Cottage Grove to Roseburg		40	
"	"	"	Roseburg to Grants Pass		90	170
"	"	"	Grants Pass to Ashland		40	
16/19	"	"	Ashland Oregon to	Granada Cal.	40	
"	"	"	Granada to Redding		75	
"	"	"	Redding to Red Bluff		50	
"	"	"	Red Bluff to Marysville		75	
"	"	"	Marysville to Mather	Field	35	12°10 282'23"

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
June	Curtiss					
1919	JN.4	OX5	Mather Field	Sacramento. Calif		
25	"	"	" "	Oakland and return	260	
26	"	"			135	
27	"	"	Test flight		20	
24	"	"	" "		20	
July 7/3/19	"	"	" " at Eugene.		20	
"	"	"	Frank Jenkins Passenger		60	
"	"	"	Joy Ride.		30	
4.	"	"	Flight over Eugene Ore.		45	
"	"	"	" " " "		20	
"	"	"	Mrs. Lyle Bryson. Reporter	Eugene Daily Guard	30	
"	"	"	Eugene to Salem with	Gov. Ben. W. Olcott as Passenger	50	
"	"	"	Salem to Eugene		80	
5	"	"	Mayor Peterson of	Eugene as Passenger	30	
"	"	"	Sergeant " "	" " "	15	
"	"	"			45	
"	"	"			20	
"	"	"			25	
4.	"	"			20	
"	"	"	Mr. E. C. Simmons, President	of Com. Eugene Oregon as Passenger.	25	13 35 29 55

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
July	JN4D	OX5				
7	"	"	Eugene to Cottage Grove	Oregon	25	
7	"	"	Cottage Grove to Eugene	"	30	
16	DH4	Liberty	[illegible]		40	
22	JN4D	OX5	Forest Patrol Pilot		215	7000
23	"	"	Testing Lieut. Beran for	R.M.A.	50	
25	DH4	Liberty	Jazz Lt. Schwartz,	passenger	25	
28	JN4D	OX5	Forest Patrol, Corvallis	and return	225	
30	"	"		Sgt. Clarke passenger	10	
30	"	"	Testing Lieut Goodrich		55	
31	"	"		Lt. Batten Passenger	30	
31	"	"		Sgt. Clarke "	45	
30	"	"			30	
31	"	"			30	
Aug 1	"	"	Jazz, Mr. Converse	Passenger	20	
2	"	"	" " "	"	30	
4	"	"	Forest Patrol Pilot		200	
5	"	"	Jazz. Lt. Jordan Pass.	Eugene	30	
6	"	"	" Mr. Converse	Passenger	30	
8	"	"	" " "	"	20	18 5
				over		

314'48

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
Aug 12	JNUD	OX5	Forest Patrol pilot.		195	
14	DH4	LIBERTY	Test Flight.		15	
15	JNUD	OX5	Dual Instruction	Pt Ecksson	15	
15	DH4	LIBERTY	Test Flight.		15	
16	JNUD	OX5	Forest Patrol pilot	Mr. Homans passenger	235	
19	"	"	Test Flight		20	
18	DH4	LIBERTY	" "		~~15~~	
21	"	"	" "		10	
22	JNUD	OX5	M. F. to Santa Cruz, via	Capitola and Frisco.	175	
23	"	"	Mayor Kratzenstein of Santa	Cruz as passenger	15	
23	"	"	Santa Cruz to Mather	via Davenport and San Jose	180	
24	"	"	Forest Patrol		195	
27	"	"	Test Flight		30	
27	"	"	~~Jag~~. Mr Hunter pass	(Roseville and out)	55	
28	"	"	Forest Patrol		215	
28	"	"	Test Flight.	(Mr Connerse)	25	
29	"	"	" "	(2 flights)	40	
29	"	"	" "		10	
30	"	"	M. F. to Santa Cruz via	San Jose (Capt Cahill pass)	165	26°55' 341'43

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			Mather Field,	Sacramento, Cal.		
1919					4	
8-30	JN4D	OX5	Mr. Frank Wilson pass.	at San Jose	25	
8-31	"	"	Santa Jose to Frisco, via	Davenport, Pescadero, Half Moon Bay	135	
9-1	"	"	Formation over Fleet in	S.F. Bay	90	
9-2	"	"	" " " and	San Francisco	85	
9-2	"	"	Return to Mather		45	
9-3	"	"	Forest Patrol		200	
9-5	DH4	LIBERTY	Mather to Redding	(Mr Hammel pass)	110	
9-6	JN4D	OX5	Redding to Mather	via Marysville	130	
9-8	"	"	Pass. with Major Crissy to	Farmington	90	
9-15	"	"	Jozz.	(Congressman pass)	30	
9/19	DH4	Liberty	Mather Field, Cal. to	Red Bluff, Cal.	190	
9-20	"	"	Red Bluff, Cal. to	medford, Ore.	145	
9-29	"	"	medford, Ore. to	montague, Cal.	135	
10-1	"	"	montague, Cal. to a point	near Mt. Shasta and return	60	
10-6	"	"	montague, Cal. to Red Bluff	Cal. Lt. Lewis passenger	70	
10-7	"	"	Test flight		20	
10-10	"	"			145	
10-12	"	"	Red Bluff, Cal. to montague	Cal. mr. W.B. Reynolds passenger		
				and return to Red Bluff	175	30 18° 371'53"

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
1919			Mather Field	Sacramento, Cal.		
10-13	DH4	Liberty	Test flight at Red Bluff,	Cal.	15	
10-17	"	"	Red Bluff, Cal. to Mather	Field, Cal. & return	145	
10-22	"	"	Test flight		20	
10-25	"	"	" "		30	
10-27	"	"	" "		30	
10-31	"	"	Red Bluff, Cal. to Mather	Field, Cal. closed aerial Forest		
[illegible]	"	"	[illegible]	Patrol Base at Red Bluff, Cal.	70	
11-	"	"	Mather Field to San Francisco	and return, Lt. Kauch passenger	100	
11-10	"	"	Test Flight & Mather Field to	San Francisco	90	
11-11	"	"	Race from S.F. to Monterey	and return to S.F. (2' 46") official)	170	
11-12	"	"	Mather Field down Sacramento	River and return, Lt. Curtis pass'gr.	45	
11-19	"	"	Test Flight		30	
11-27	"	"	" "		30	
12-1	JN4D	Curtiss	" "		15	
12-4	DH4	Liberty			35	
12-5	"	"			45	
12-8	"	"			35	
12-9	"	"			35	
12-12	"	"	Jazz	Col. Andersen pass	15	
12-12	"	"	"	Capt Voss "	30	16°25' 388'18"

Date 1919	Type of plane	Type of engine	Type of work done 91st Aero Squadron	Detail of work done	Duration.	Maximum alti.
12-13	DH4	Liberty	Jazz	Chauff Alter pass.	45	
12-17	"	"	"	Lt. Hackett + Sgt Kressel	55	
12-17	"	"	"		20	
12-18	"	"	"		40	
12-19	"	"	To San Francisco		70	
12-19	"	"	To Mather Field		40	
1920	"		1920	1920	1920	495:55
1-5	DH4	Lib	Jazz		20	
1-5	JN4D	OX5	"		30	
1-8	DH4	Lib	Formation flight		90	
1-13	"	"	"		140	
1-15	"	"	Test Flight		30	
1-18	"	"	To Rockwell Field via	Bakersfield + one test flight	315	
1-19	"	"	To Kearn Field		10	
1-29	"	"	Jazz Sgt Sope		30	
1-30	"	"	" " McGinn		25	
1-30	"	"	Joyride	Sgt King pass	30	
1-31	"	"	To Rockwell + net		20	
2-2	"	"	Formation		75	18°05'06'23"

1919

Ream Field

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			91st Aero Squadron			
					5	
2-3	DH4	Lib.	Formation		65	
2-4	"	"	Gunnery		60	
2-5	"	"	"		60	
2-6	"	"	Very pistol signaling.		30	
2-10	"	"	Gunnery		45	
2-11	"	"	"		35	
2-12	"	"	To Rockwell & net		35	
2-13	"	"	" Mt Grower & net.		110	
2-16	"	"	Formation & Radio test		105	
2-17	"	"	Low target and test		60	
2-18	"	"	" " " Gunnery		90	
2-18	"	"	" " " Bow Gun	test	90	
2-19	"	"	Compass tracking		25	
2-19	"	"	Border Patrol		75	
2-19	"	"	Radio test		15	
2-24	DH4B	"	Test flight		25	
2-24	"	"	Radio test		15	
2-26	"	"	" "		[illegible]	
2-26	"	"	Gunnery & Formation		60	16°50 4'23'23'

1919

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			91st Aero Squadron			
2-27	DH4	Lib.	Gunnery on Tow target and	test flight	60	
2-28	"	"	Border Patrol to Calexico		140	
3-1	"	"	To San Luis Rey	(Observaton flight.)	80	
3-1	"	"	To Rockwell and ret.		30	
3-4	"	"	Radio and Bow Gun test		60	
3-4	"	"	Test flight		35	
3-5	"	"	Border Patrol		120	
3-8	"	"	Two trips to Rockwell and ret		55	
3-9	"	"	Recconnaissance to	Mirch Field, via Los Angeles,	265	
3-11	"	"	Bombing, test flight,	and night flying	70	
3-12	"	"	Scouting		80	
3-15	"	"			50	
3-16	"	"	Border Patrol		80	
3-19	"	"	Radio test (Lt. Metcalf)		50	
3-20	"	"	Patrol to El Centro		150	
3-29	"	"	" " " "		130	
3-30	"	"	To Rockwell and ret		30	
4-1	"	"	Patrol to El Centro.		130	
4-2	"	"	To Bakersfield and ret	via Rockwell Field	280	31°3'45"58

1919

Ream Field.

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			91st Aero Squadron			
4-5	DH4B	Liberty	Border Patrol		125	
4-6	"	"	To Rockwell and ret.		25	559:00
4-7	"	"	Radio test		50	
4-8	"	"	Border Patrol		140	
4-9	"	"	To Rockwell and ret		20	
4-10	"	"	" " " "		425	
4-11	"	"	Border Patrol		130	
4-12	"	"	To Rockwell and ret.		25	
4-13	"	"	Three trips to Rockwell	and ret	50	
4-14	"	"	Two " " "	" "	60	
4-15	"	"	" " " "	" "	50	
4-16	"	"	" " " "	" "	50	
4-17	"	"	Border Patrol		135	
4-19	"	"	" "		140	
4-20	"	"	To Rockwell and ret		30	573:05
4-21	"	"	Border Patrol	Maj Robertson	125	
4-22	"	"	To Newport Beach and ret.	(Flare dropping)	115	
4-23	"	"	Dropping flares		50	
4-24	"	"	Border Patrol		120	26°15'48"08"

1919

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			91st Aero Squadron			
4-26	DHB	Lib.	Radio Test		20	
4-26	JN6H	Hisso	Jazz.		110	
4-27	DHB	Lib.	Border Patrol.		130	
4-28	"	"			180	
4-30	"	"	Border Patrol		150	
4-30	"	"	Flying ships to Rock-	well	70	
5-4	"	"	Test Flight		30	11'35" 493'43"
					5/6/20.	

Total time to date: 492 hrs. 53 min.

I certify that the flying time at Mather Field from Sept 3, 1918, to Nov. 10, 1919, and with the 91st Aero Sqdn from Nov 10, 1919 to May 6, 1920, as noted above is correct

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			May 6 1920	Total	1339:11	
				I certify that the above time comprises the total flying time of 1st Lt. J. S. Krull to date.		
				J. S. Hess Capt. A. S. G. Operations Officer 1st Aero Squadron.		

1919

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
			41st Aero Squadron	Rockwell Field, Calif.		
5-7	DH4B	Liberty	Radio Test flights		45	
5-8	"	"	Patrol to Otay Mesa		35	
5-10	"	"	Two test flights		30	
5-11	"	"	Instructing Cadets		40	
5-12	"	"	" "		55	
5-13	"	"	Test Flight		10	
5-13	USSD	"	" "		95	
5-14	DH4B	"	Parachute Flight.	(Lt. Coney's parachute jump.)	30	
5-14	"	"	Instructing cadets		15	
5-15	"	"	Border Patrol		100	
5-17	"	"	" "		150	
5-18	"	"	Test Flight		25	
5-18	"	"	El Centro and return		130	
5-19	"	"	Three test flights		65	
5-19	"	"	Parachute flights (2)	(Hartner's and Radmall's jump.)	30	
5-20	"	"	Test flight		25	
5-21	"	"	" "		30	
5-21	"	"	Jos. Many officer pass.		15	
5-22	"	"	Test flight		25	
5-25	"	"	" "		40	18:00

135/11

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91st Aero Squadron

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
5-27	DH4B	Lib.	Scouting.		100	
5-27	"	"	To Kearney and ret.		30	
5-28	"	"	To Yuma, Ariz and ret	(Gen. Kuhn pass.)	210	
6-1	"	"	To Kearney and ret.		30	
6-2	"	"	" " " " via.	Ream Field.	70	
6-4	"	"	Photo Flight		65	
6-5	"	"	Radio Test		15	
6-5	"	"	Joy Ride (Navy officer)		30	
6-7	"	"	Los Angeles and ret.		145	
6-9	"	"	Parachute Flight		20	
6-10	"	"	Test Flight		20	
6-14	"	"	Photo Flight		50	
6-16	"	"	Test Flight		60	
6-17	"	"	" "		45	
6-18	"	"	Photo Flight		55	
6-20	"	"	Test Flight		35	
6-22	"	"	Radio Test (6 Flights)		50	
6-22	"	"	Patrol (1st Leg)		210	
6-23	"	"	" (2nd Leg)		205	26'05" (383'15"

1919

91st Aero Squadron

91st Aero Squadron

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
6-24	DH4B	26	Test Flight		40	
6-26			do		40	
7-1			do		30	
7-3			do		20	
7-7			Radio test Flight		120	
7-9			Patrol (1st Leg)		235	
7-10			" (2nd Leg)		85	
7-15			Test flight		20	
7-15			Radio test flight		20	
7-15			Parachute flight		30	
7-16			Joy ride		25	
7-16			Photo Flight		50	
7-19			Formation (Funeral)		75	
7-20			Test flights (2)		75	
7-21			" "		40	
7-22			Patrol (1st Leg)		35	
7-23			" (2nd Leg)		205	
7-23			Photo Flight		80	
7-26			Test Flight		90	21'55" 14050'

1914

91st Aero Squadron — Rockwell Field, California

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
7-28	DH3	Lib.	Test Flight		30	
7-29	"	"	Do		10	
7-30	"	"	Do		30	
7-31	"	"	Do		30	
7-31	"	"	Patrol 1st Leg		205	
8-1	"	"	" 2nd Leg		95	
8-2	"	"	To March Field		55	
8-2	"	"	To Fresno, Cal.		225	
8-2	"	"	To Mather Field.		100	
8-6	"	"	Test Flight		20	
8-7	"	"	Do		15	
8-9	"	"	Dual Instr (Sullivan)		30	
8-9	"	"	Test flight		30	
8-9	"	"	Photo Flight		50	
8-9	"	"	Do		80	
8-10	"	"	Photo Flight		70	
8-11	"	"	Do		30	
8-12	"	"	Photo and test		30	
8-13	"	"	Test		30	19'15" 14245'25"

1919

91st Aero Squadron — Rockwell Field, California

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
8-17	DHB	Lib	Test flight		20	
8-19	"	"	To March Field		60	
8-19	"	"	To Fresno, Cal.		160	
8-19	"	"	To Mather Field		95	
8-24	"	"	Radio test		30	
8-24	"	"	Patrol		250	
8-25	"	"	"		110	
8-27	"	"	Los Angeles and rt.		155	
8-30	"	"	Test flight		30	
9-1	"	"	Camp Kearny and rt		30	
9-3	JN4H	H1550	Instruction		60	
9-8	"	"	"		45	
9-9	"	"	Joy ride		70	
9-10	"	"	Test Flight.		20	
9-11	Spad	"	" "		30	
9-11	DHB	Lib	" "		30	
9-13	JN4H	H1550	Instruction		25	
9-14	"	"	Test Flight		25	
9-14	DHB	Lib	" "		20	

1919

91st Aero Squadron

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
9-14	SPAD	Hisso	Test Flight.		30	
9-20	DHB	L.B.	To Fresno, via March Field		235	
9-21	"	"	To Mather Field.		100	
10-7	"	"	Radio test		20	
10-8	"	"	Motor test		35	
10-13	"	"	Artillery Liaison		80	
10-14	"	"	Radio Test (Fort Rosecrans)		40	
10-16	"	"	Ra-a-phone test		25	
10-16	"	"	Bombing and Gunnery		40	
10-18	"	"	Los Angeles and return		155	
10-20	"	"	Bombing and Gunnery	(Sgt. King?)	60	
10-20	"	"	Ra-a-Phone test		60	
10-21	"	"	Radio test at Rosecrans		25	
10-22	"	"	Gunnery and Bombing	(Sgt. Westover)	45	
10-22	"	"	Lieut Knull, Capt Erickson		30	
10-25	"	"	Gunnery and Bombing	(Sgt. Westover)	35	
10-26	"	"	Test flight (3)		70	
10-28	"	"	Erroneously omitted from	previous reports	260	
10-30	"	"	Rockwell Field to Tulare		360	

Mather Field, Sacramento, Cal

Date	Type of plane	Type of engine	Type of work done	Detail of work done	Duration.	Maximum alti.
				91st Aero Squadron,		
1920						
10-31	DH4	Lib	Sacramento to Mather		105	
11-15	"	"	Miscellaneous	(Ten hops, Sgt Tomer)	55	
11-20	"	"	"	(Ten hops, Sgt Nelson)	70	
				Total	1472:45	
			Nov. 26, 1920.	I certify that the above time comprises the total flying time of 1st Lieut. J. S. Carll.		
				Robert Kenney 1st Lieut. A.S. Operations Officer 91st Aero Sqd.		